

FIG.1A

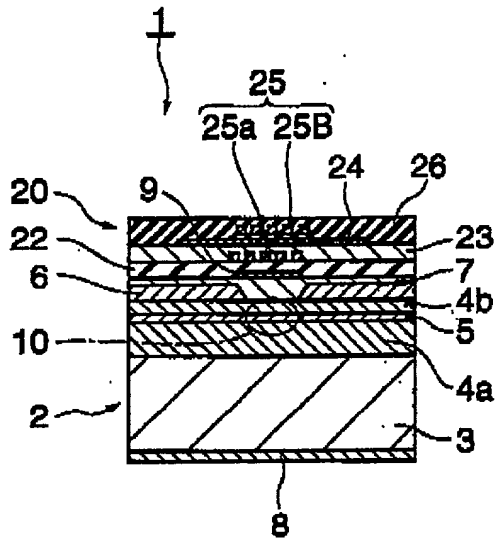


FIG.1B

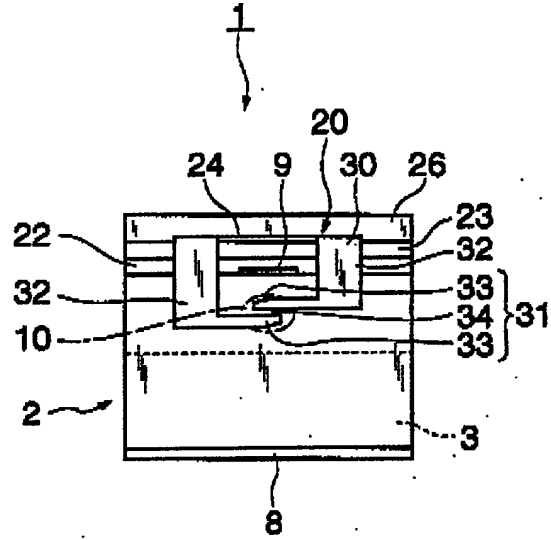


FIG.1C

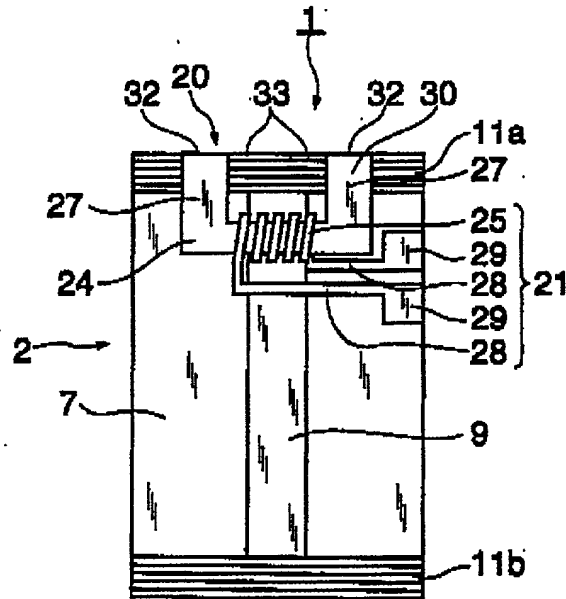


FIG.2A

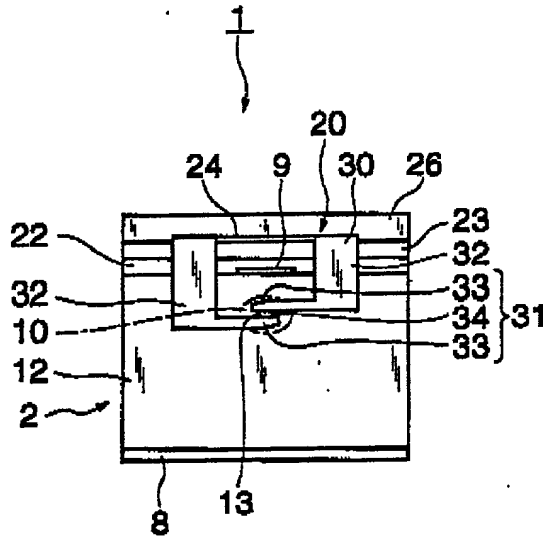


FIG.2B

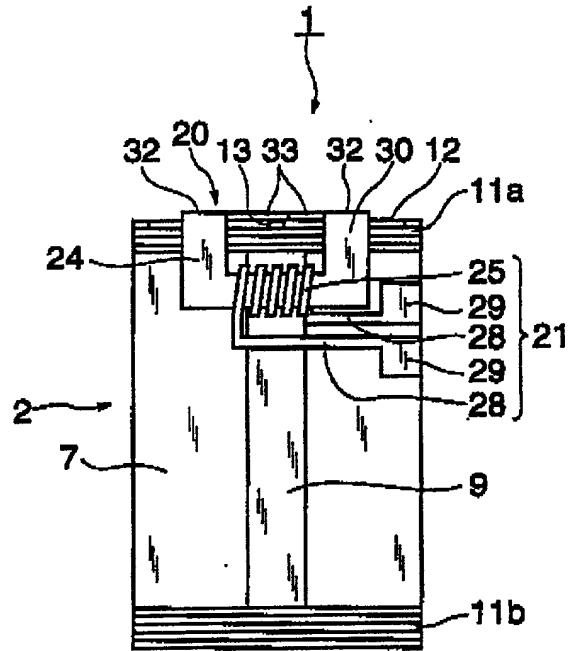


FIG.2C

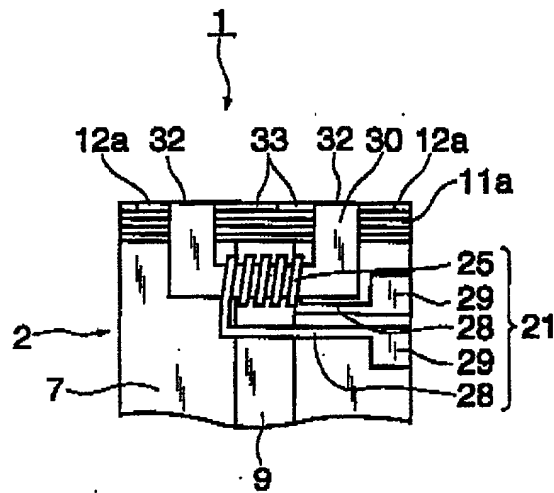


FIG.3A

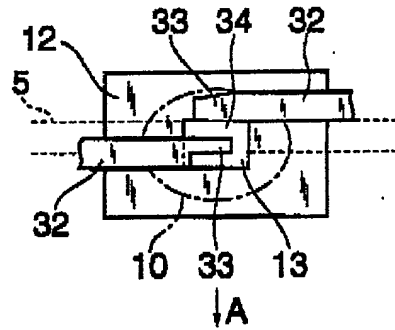


FIG.3B

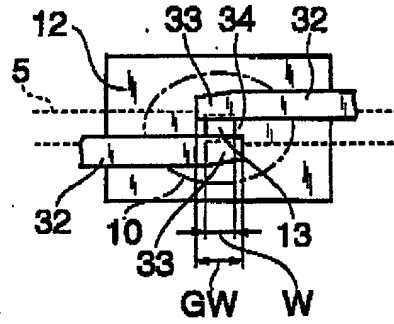


FIG.3C

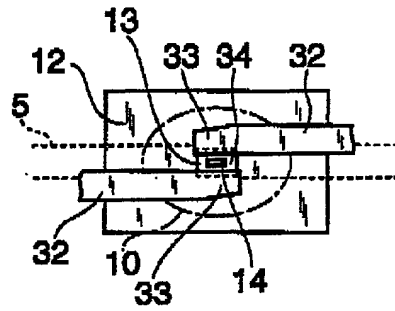


FIG.3D

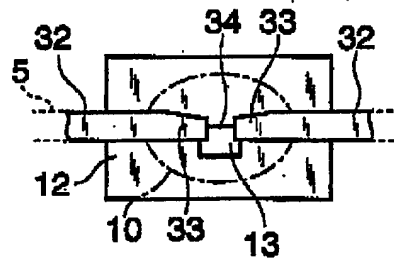


FIG.3E

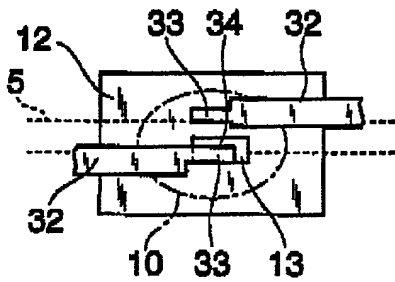


FIG.3F

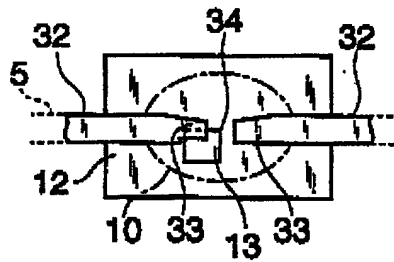


FIG. 4A

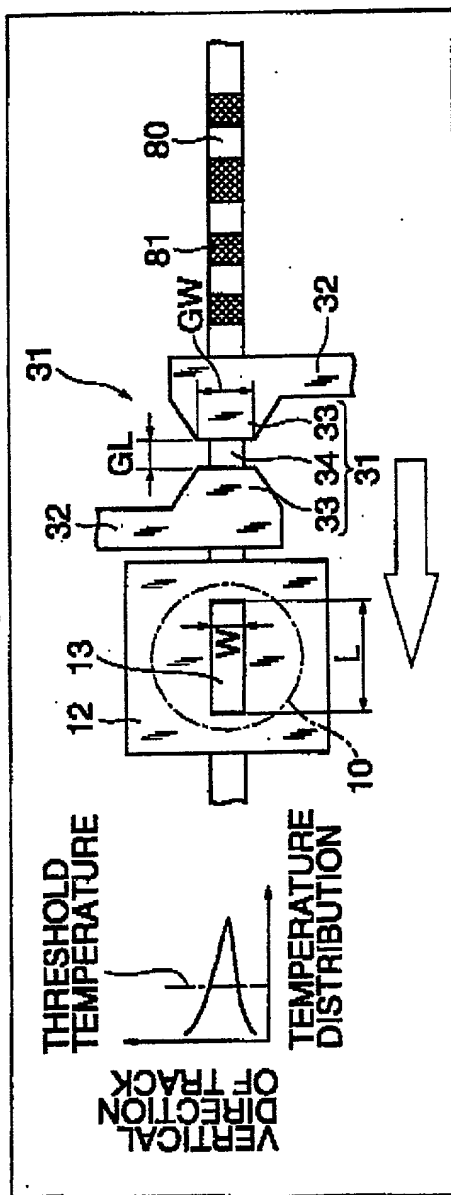


FIG. 4B

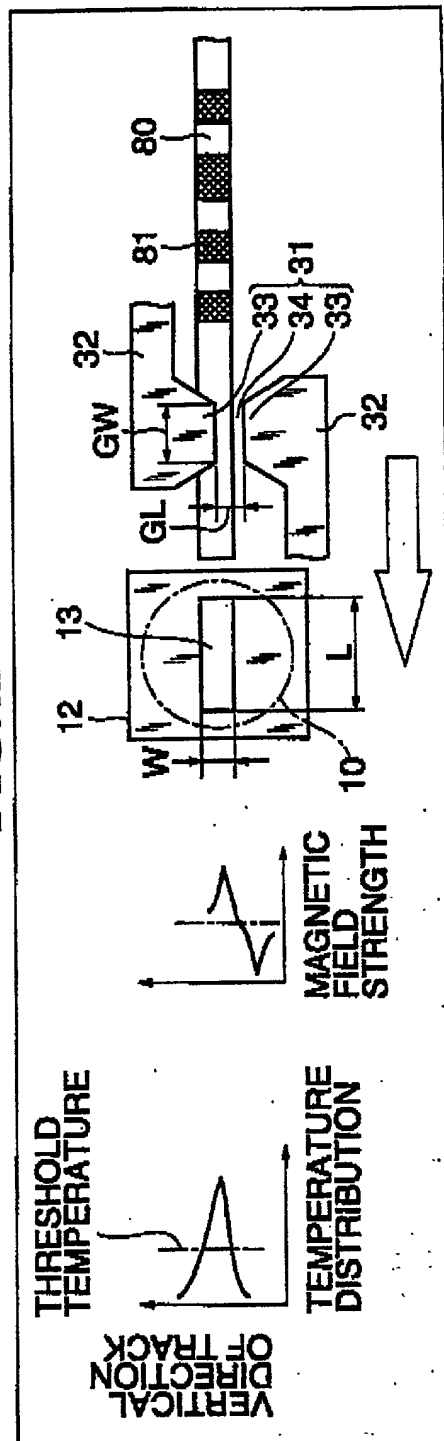


FIG.5A

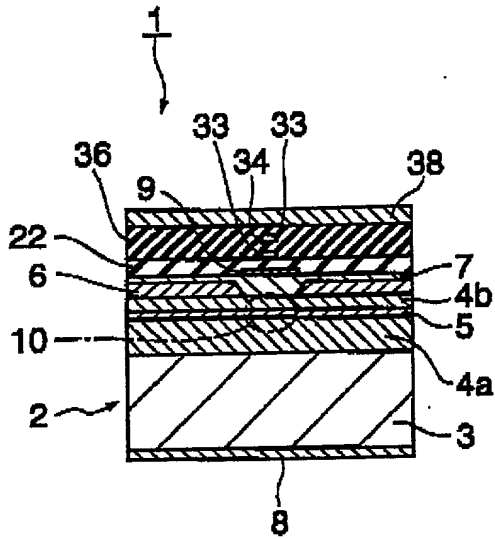


FIG.5B

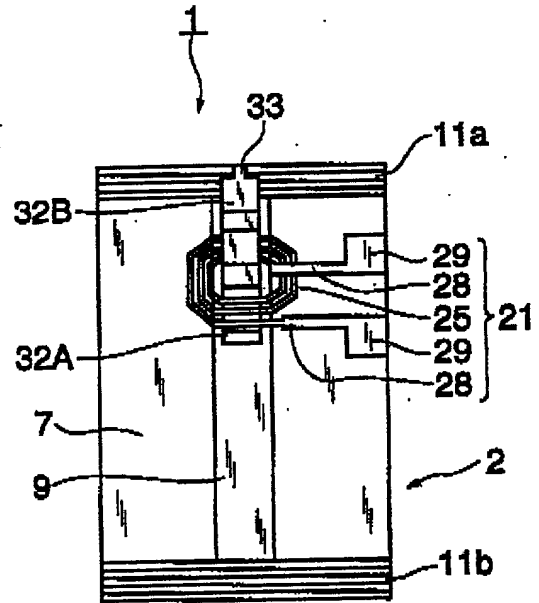


FIG.5C

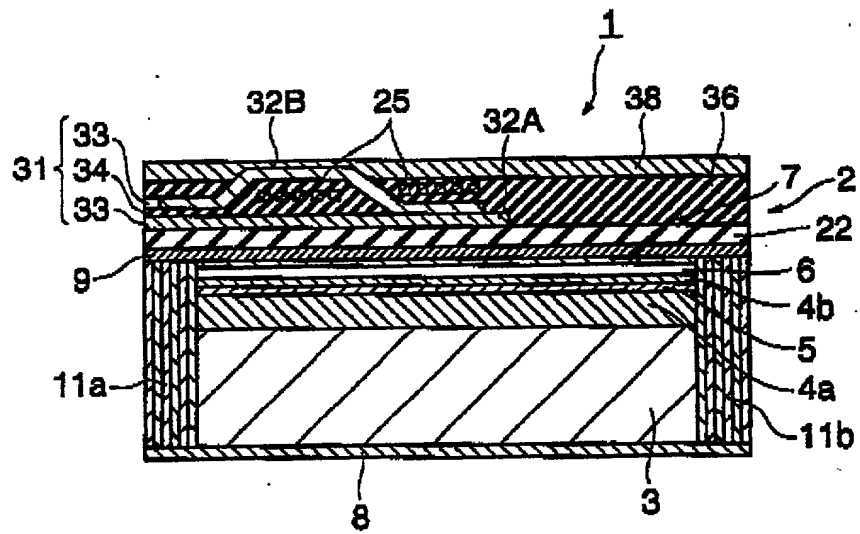


FIG.6A

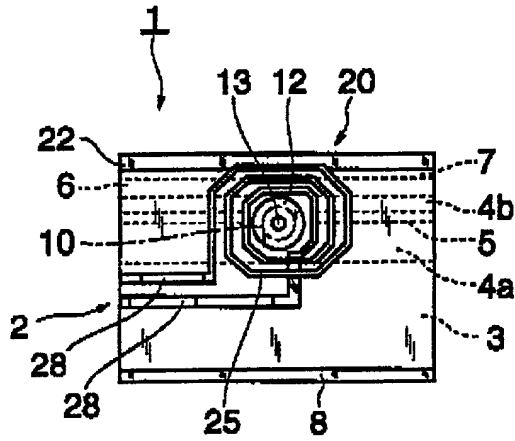


FIG.6B

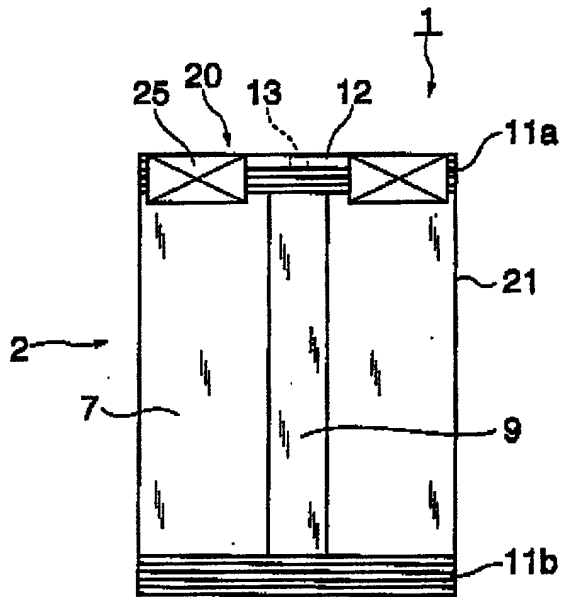


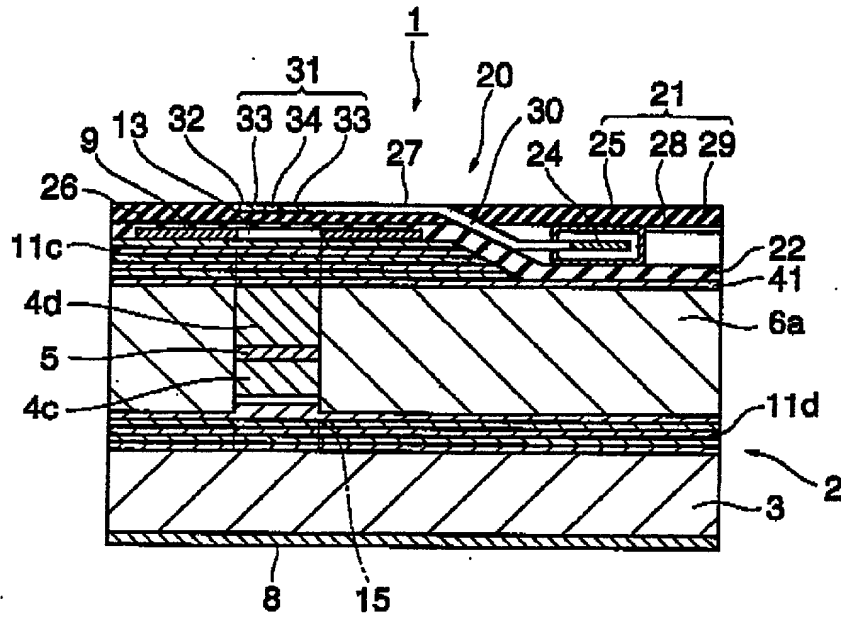
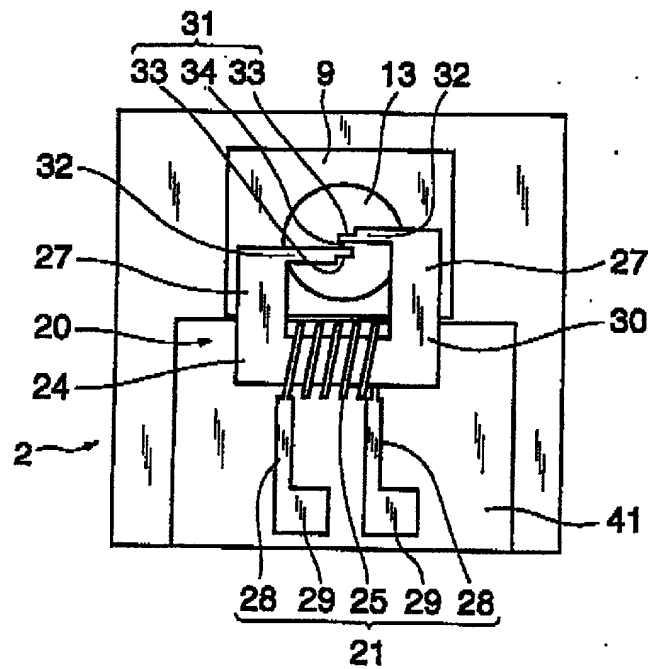
FIG.7A**FIG.7B**

FIG.8A

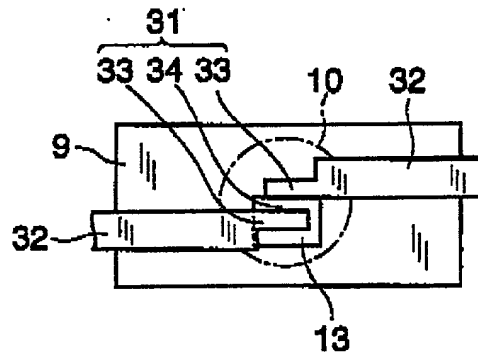
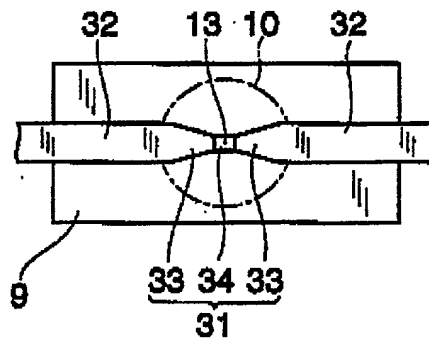


FIG.8B



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FIG.9A

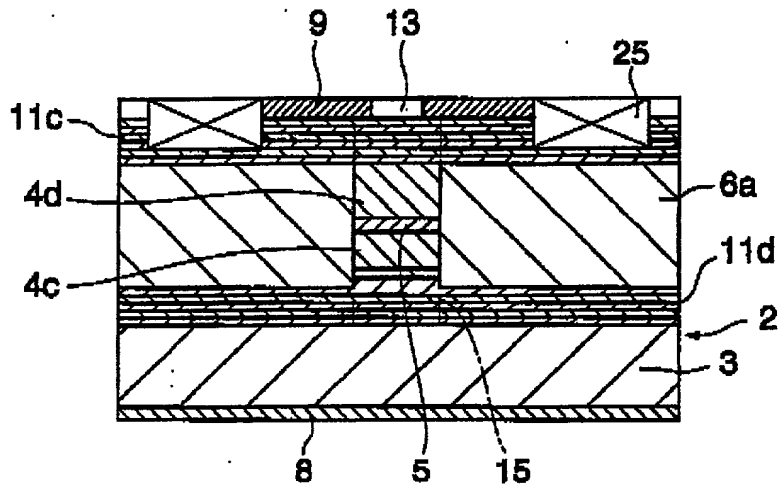


FIG.9B

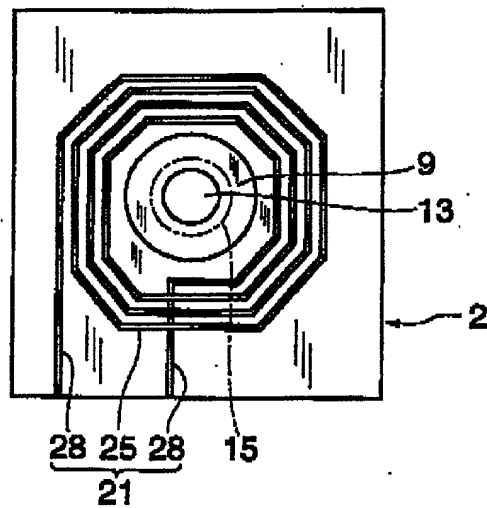


FIG.9C

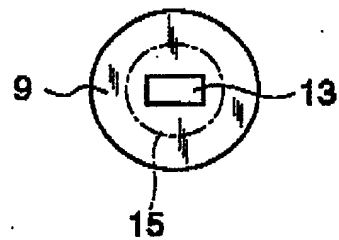


FIG.10A

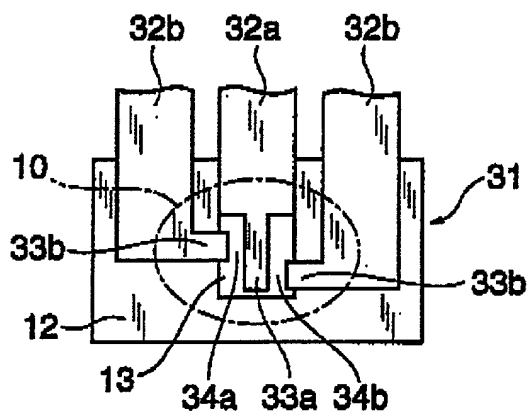


FIG.10B

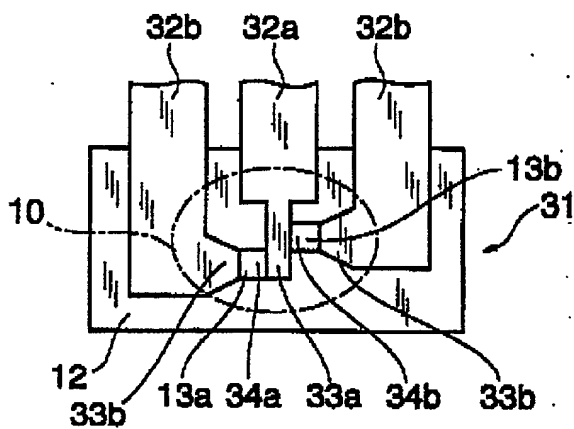


FIG.10C

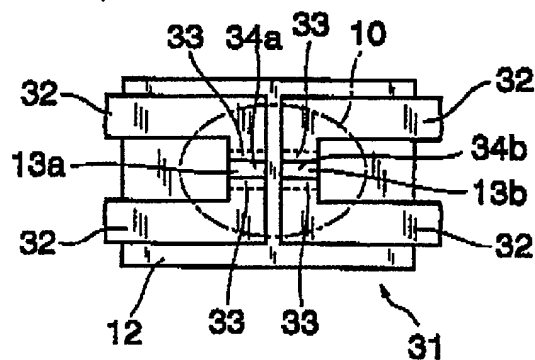


FIG.11

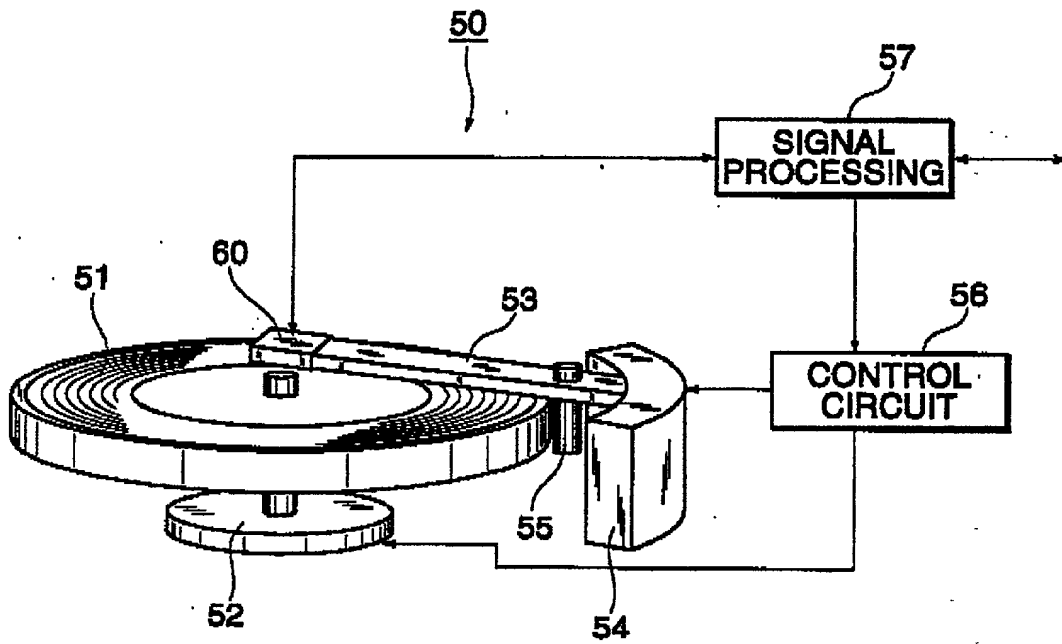


FIG.12A

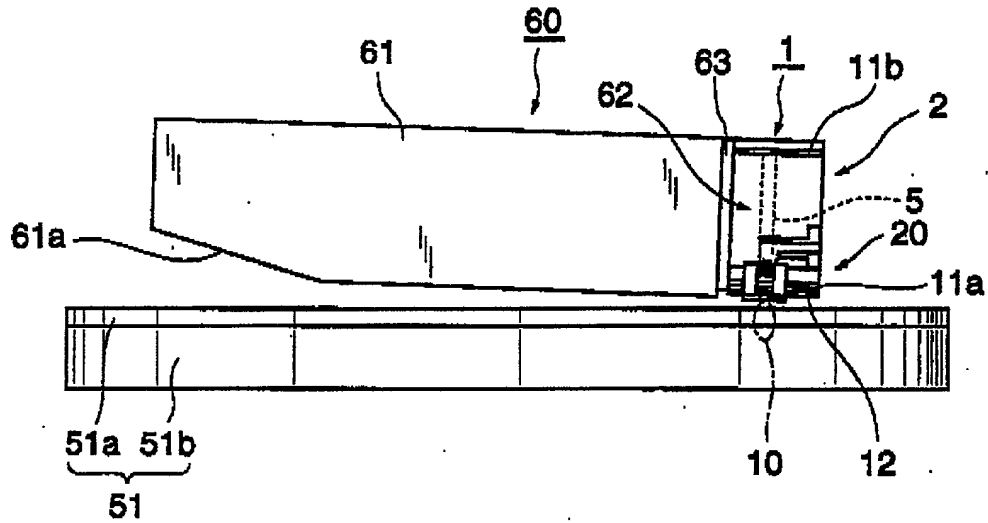


FIG.12B

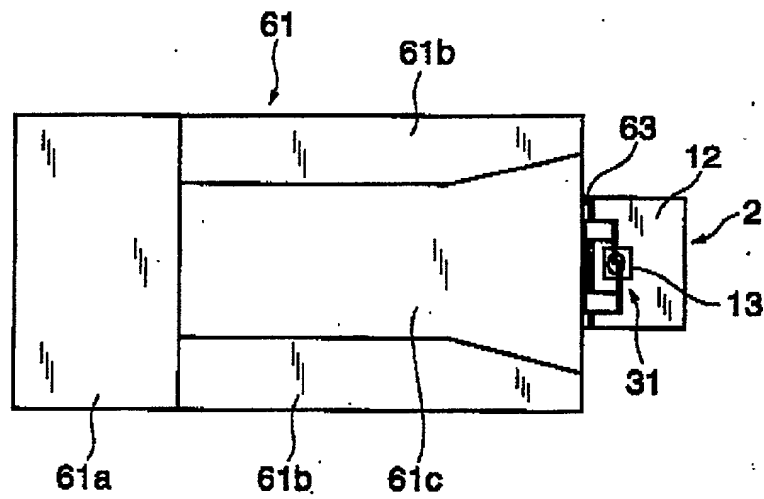


FIG.13

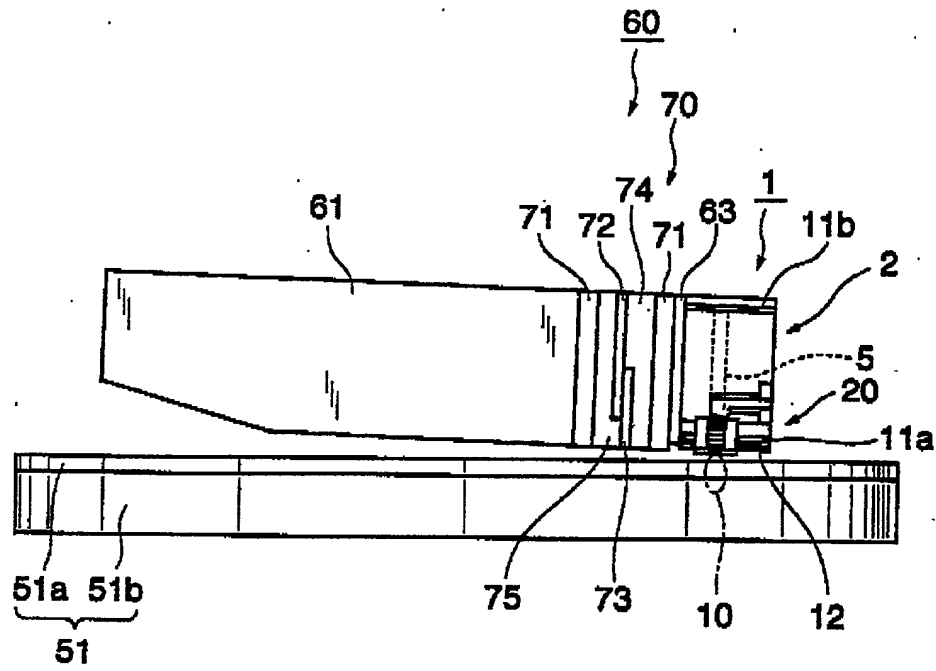


FIG.14A

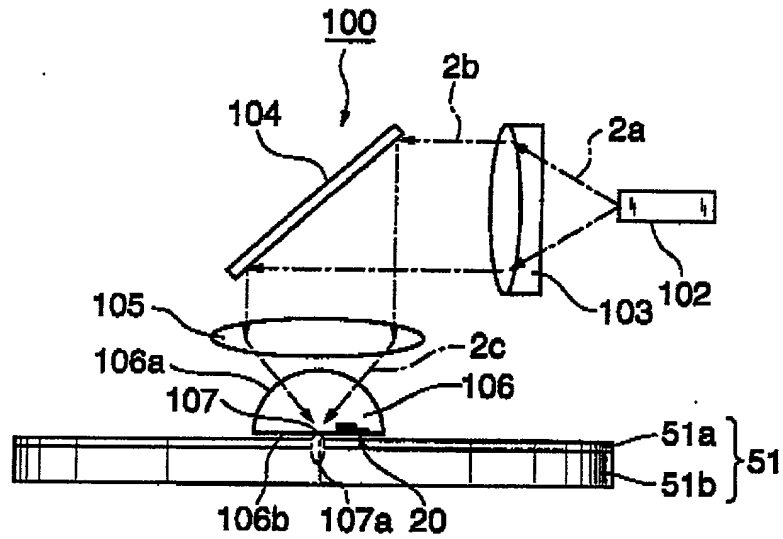


FIG.14C

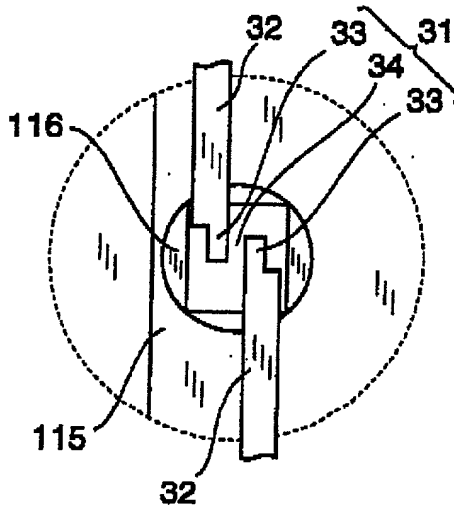


FIG.14B

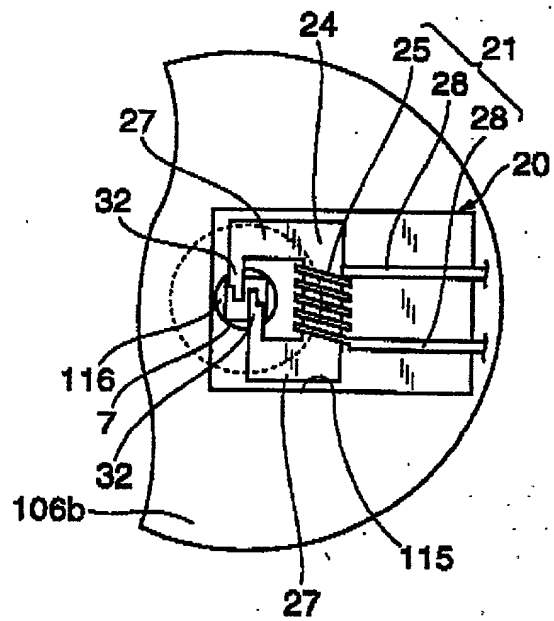


FIG.15A

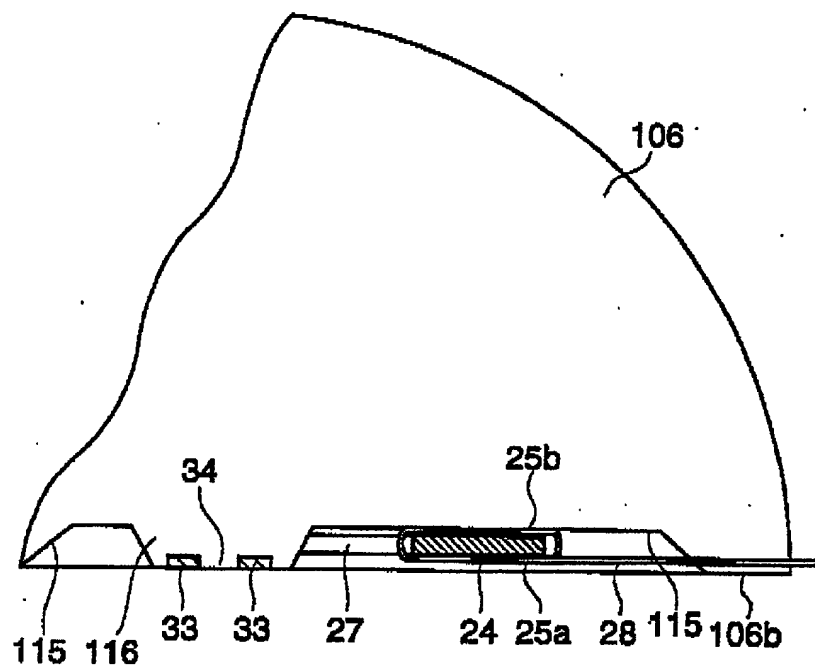


FIG.15B

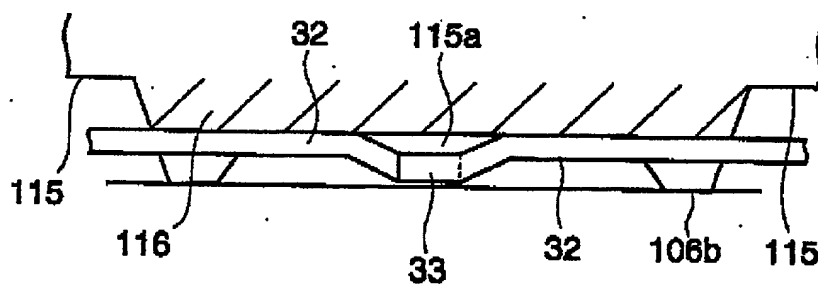


FIG.16

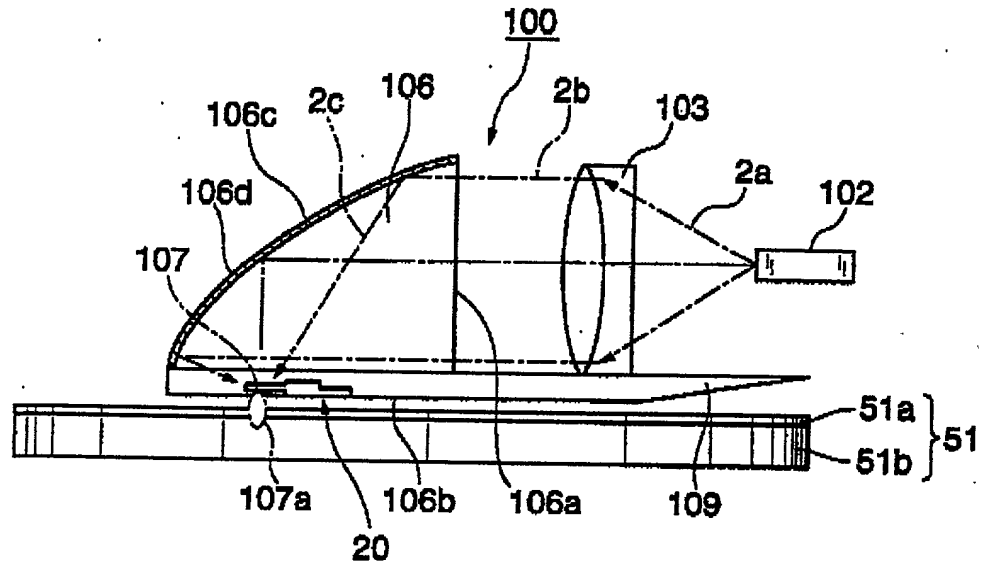
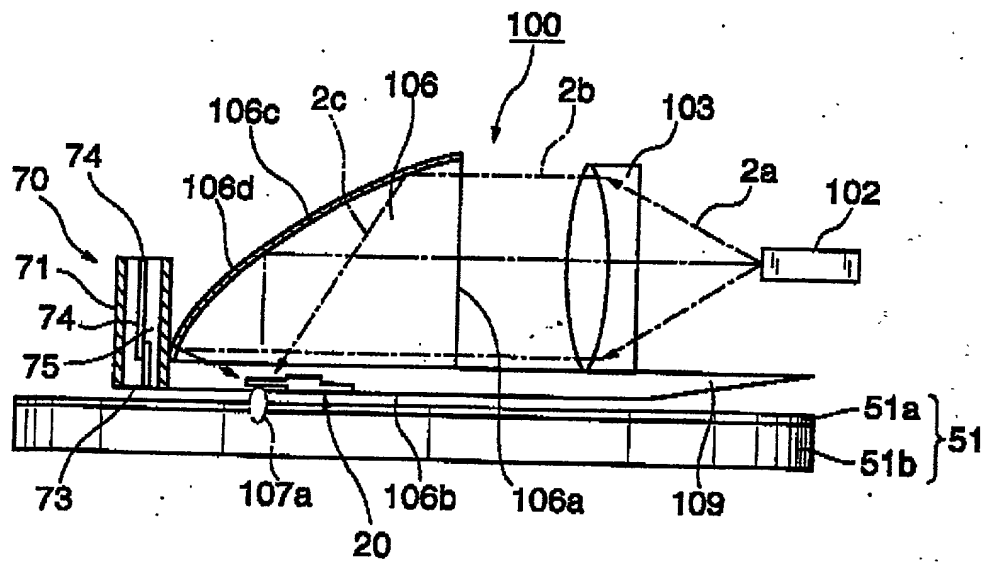
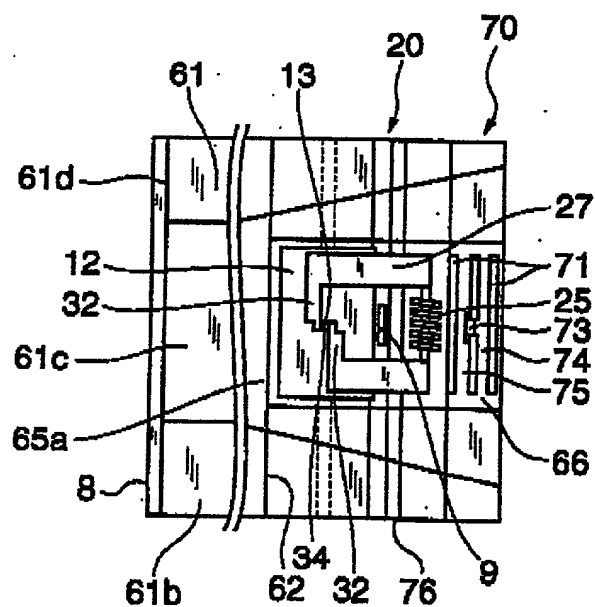


FIG.17



[illegible][illegible]

Parameter	Unit	Value
Initial temperature	°C	25.0
Final temperature	°C	25.0
Initial pressure	atm	1.0
Final pressure	atm	1.0
Initial volume	L	1.0
Final volume	L	1.0
Initial concentration	mol/L	1.0
Final concentration	mol/L	1.0
Initial pH		7.0
Final pH		7.0
Initial ionic strength	M	0.1
Final ionic strength	M	0.1
Initial dielectric constant		78.5
Final dielectric constant		78.5
Initial viscosity	cP	0.01
Final viscosity	cP	0.01
Initial surface area	m ²	1.0
Final surface area	m ²	1.0
Initial mass	g	1.0
Final mass	g	1.0
Initial density	g/cm ³	1.0
Final density	g/cm ³	1.0
Initial refractive index		1.33
Final refractive index		1.33
Initial thermal conductivity	W/mK	0.6
Final thermal conductivity	W/mK	0.6
Initial electrical conductivity	S/m	0.01
Final electrical conductivity	S/m	0.01
Initial magnetic permeability	T/A	1.2566
Final magnetic permeability	T/A	1.2566
Initial optical absorption	cm ⁻¹	0.0
Final optical absorption	cm ⁻¹	0.0
Initial acoustic impedance	kg/m ² s	1.5
Final acoustic impedance	kg/m ² s	1.5
Initial magnetic susceptibility	m ³ /mol	0.0
Final magnetic susceptibility	m ³ /mol	0.0
Initial polarizability	C/m ²	0.0
Final polarizability	C/m ²	0.0
Initial permittivity	F/m	1.0
Final permittivity	F/m	1.0
Initial permeability	H/m	1.2566
Final permeability	H/m	1.2566
Initial conductivity	S/m	0.01
Final conductivity	S/m	0.01
Initial resistivity	Ω·m	100
Final resistivity	Ω·m	100
Initial capacitance	F	1.0
Final capacitance	F	1.0
Initial inductance	H	1.0
Final inductance	H	1.0
Initial impedance	Ω	1.0
Final impedance	Ω	1.0
Initial admittance	S	1.0
Final admittance	S	1.0
Initial reactance	Ω	0.0
Final reactance	Ω	0.0
Initial susceptance	S	0.0
Final susceptance	S	0.0
Initial loss tangent		0.0
Final loss tangent		0.0
Initial quality factor		1.0
Final quality factor		1.0
Initial coupling coefficient		0.0
Final coupling coefficient		0.0
Initial transmission coefficient		1.0
Final transmission coefficient		1.0
Initial reflection coefficient		0.0
Final reflection coefficient		0.0
Initial scattering coefficient		0.0
Final scattering coefficient		0.0
Initial phase shift	°	0.0
Final phase shift	°	0.0
Initial time delay	s	0.0
Final time delay	s	0.0
Initial group velocity	m/s	3.0
Final group velocity	m/s	3.0
Initial phase velocity	m/s	3.0
Final phase velocity	m/s	3.0
Initial wave number	1/m	0.0
Final wave number	1/m	0.0
Initial frequency	Hz	1.0
Final frequency	Hz	1.0
Initial wavelength	m	1.0
Final wavelength	m	1.0
Initial period	s	1.0
Final period	s	1.0
Initial duty cycle	%	50
Final duty cycle	%	50
Initial rise time	s	0.0
Final rise time	s	0.0
Initial fall time	s	0.0
Final fall time	s	0.0
Initial pulse width	s	0.0
Final pulse width	s	0.0
Initial peak-to-peak voltage	V	1.0
Final peak-to-peak voltage	V	1.0
Initial peak-to-peak current	A	1.0
Final peak-to-peak current	A	1.0
Initial average power	W	1.0
Final average power	W	1.0
Initial maximum power	W	1.0
Final maximum power	W	1.0
Initial minimum power	W	0.0
Final minimum power	W	0.0
Initial signal-to-noise ratio	dB	0.0
Final signal-to-noise ratio	dB	0.0
Initial bit error rate	%	0.0
Final bit error rate	%	0.0
Initial packet error rate	%	0.0
Final packet error rate	%	0.0
Initial frame error rate	%	0.0
Final frame error rate	%	0.0
Initial throughput	bps	1.0
Final throughput	bps	1.0
Initial latency	s	0.0
Final latency	s	0.0
Initial jitter	s	0.0
Final jitter	s	0.0
Initial delay spread	s	0.0
Final delay spread	s	0.0
Initial coherence bandwidth	Hz	1.0
Final coherence bandwidth	Hz	1.0
Initial coherence time	s	0.0
Final coherence time	s	0.0
Initial fading margin	dB	0.0
Final fading margin		



Parameter	Unit	Value
Initial temperature	°C	25.0
Final temperature	°C	25.0
Initial pressure	atm	1.0
Final pressure	atm	1.0
Initial volume	L	1.0
Final volume	L	1.0
Initial concentration	mol/L	1.0
Final concentration	mol/L	1.0
Initial pH		7.0
Final pH		7.0
Initial ionic strength	M	0.1
Final ionic strength	M	0.1
Initial dielectric constant		78.5
Final dielectric constant		78.5
Initial viscosity	cP	0.01
Final viscosity	cP	0.01
Initial surface area	m ²	1.0
Final surface area	m ²	1.0
Initial mass	g	1.0
Final mass	g	1.0
Initial density	g/cm ³	1.0
Final density	g/cm ³	1.0
Initial refractive index		1.33
Final refractive index		1.33
Initial thermal conductivity	W/mK	0.6
Final thermal conductivity	W/mK	0.6
Initial electrical conductivity	S/m	0.01
Final electrical conductivity	S/m	0.01
Initial magnetic permeability	T/A	1.2566
Final magnetic permeability	T/A	1.2566
Initial optical absorption	cm ⁻¹	0.0
Final optical absorption	cm ⁻¹	0.0
Initial acoustic impedance	kg/m ² s	1.5
Final acoustic impedance	kg/m ² s	1.5
Initial magnetic susceptibility	J/T ²	0.0
Final magnetic susceptibility	J/T ²	0.0
Initial piezoelectric coefficient	C/m	0.0
Final piezoelectric coefficient	C/m	0.0
Initial thermoelectric coefficient	V/K	0.0
Final thermoelectric coefficient	V/K	0.0
Initial Seebeck coefficient	μV/K	0.0
Final Seebeck coefficient	μV/K	0.0
Initial Peltier coefficient	μV	0.0
Final Peltier coefficient	μV	0.0
Initial Thomson coefficient	μV/K	0.0
Final Thomson coefficient	μV/K	0.0
Initial Hall coefficient	m ³ /C	0.0
Final Hall coefficient	m ³ /C	0.0
Initial spin Hall effect	nm	0.0
Final spin Hall effect	nm	0.0
Initial orbital Hall effect	nm	0.0
Final orbital Hall effect	nm	0.0
Initial anomalous Hall effect	nm	0.0
Final anomalous Hall effect	nm	0.0
Initial topological Hall effect	nm	0.0
Final topological Hall effect	nm	0.0
Initial quantum Hall effect	nm	0.0
Final quantum Hall effect	nm	0.0
Initial spin Hall of light	nm	0.0
Final spin Hall of light	nm	0.0
Initial orbital Hall of light	nm	0.0
Final orbital Hall of light	nm	0.0
Initial anomalous Hall of light	nm	0.0
Final anomalous Hall of light	nm	0.0
Initial topological Hall of light	nm	0.0
Final topological Hall of light	nm	0.0
Initial quantum Hall of light	nm	0.0
Final quantum Hall of light	nm	0.0
Initial spin Hall of matter	nm	0.0
Final spin Hall of matter	nm	0.0
Initial orbital Hall of matter	nm	0.0
Final orbital Hall of matter	nm	0.0
Initial anomalous Hall of matter	nm	0.0
Final anomalous Hall of matter	nm	0.0
Initial topological Hall of matter	nm	0.0
Final topological Hall of matter	nm	0.0
Initial quantum Hall of matter	nm	0.0
Final quantum Hall of matter	nm	0.0
Initial spin Hall of energy	nm	0.0
Final spin Hall of energy	nm	0.0
Initial orbital Hall of energy	nm	0.0
Final orbital Hall of energy	nm	0.0
Initial anomalous Hall of energy	nm	0.0
Final anomalous Hall of energy	nm	0.0
Initial topological Hall of energy	nm	0.0
Final topological Hall of energy	nm	0.0
Initial quantum Hall of energy	nm	0.0
Final quantum Hall of energy	nm	0.0
Initial spin Hall of information	nm	0.0
Final spin Hall of information	nm	0.0
Initial orbital Hall of information	nm	0.0
Final orbital Hall of information	nm	0.0
Initial anomalous Hall of information	nm	0.0
Final anomalous Hall of information	nm	0.0
Initial topological Hall of information	nm	0.0
Final topological Hall of information	nm	0.0
Initial quantum Hall of information	nm	0.0
Final quantum Hall of information	nm	0.0
Initial spin Hall of time	nm	0.0
Final spin Hall of time	nm	0.0
Initial orbital Hall of time	nm	0.0
Final orbital Hall of time	nm	0.0
Initial anomalous Hall of time	nm	0.0
Final anomalous Hall of time	nm	0.0
Initial topological Hall of time	nm	0.0
Final topological Hall of time	nm	0.0
Initial quantum Hall of time	nm	0.0
Final quantum Hall of time	nm	0.0
Initial spin Hall of space	nm	0.0
Final spin Hall of space	nm	0.0
Initial orbital Hall of space	nm	0.0
Final orbital Hall of space	nm	0.0
Initial anomalous Hall of space	nm	0.0
Final anomalous Hall of space	nm	0.0
Initial topological Hall of space	nm	0.0
Final topological Hall of space	nm	0.0
Initial quantum Hall of space	nm	0.0
Final quantum Hall of space	nm	0.0
Initial spin Hall of matter-energy</		

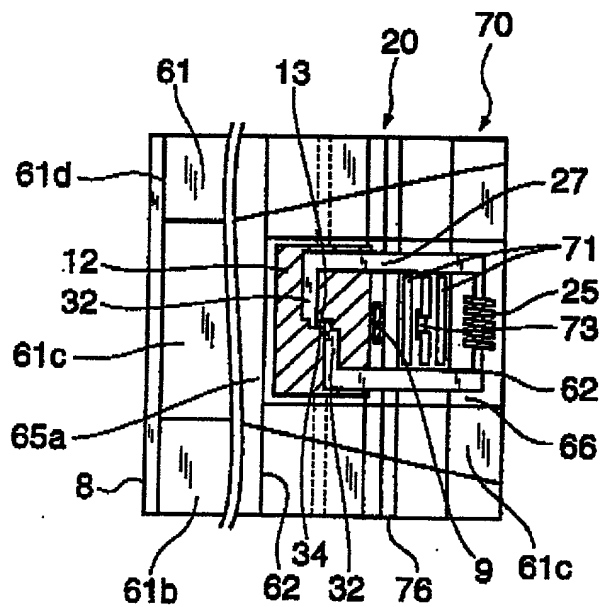


FIG.20

